

## DC Core Power Systems (Up to 10, 500 A)\*

NP7500

**More Intelligent  
More Efficient  
More Powerful**

### Introduction

Nian Electronic Core Power Systems can secure up to hundreds of kilowatts of premium-quality power.

The stand-alone cabinets present an integrated approach to power system architecture.

The modularity and scalability of these easy-to-use systems enable rapid roll-out and easy expansion. The DC Core Power System provides the option of parallel installation for maximum capacity, while the entire system can be

controlled by a single Power Management Unit (PMU).

It offers energy-efficient, large scale, high-capacity power for Central Offices (CO), Main Switching Offices (MTSOs, MSCs) and data center applications. These series consist of rectifiers up to 6kw, enabling customers to configure bulk power systems with more than 500KW\* output capacity, including flexible AC and DC distribution options.



### Features

- Custom design
- Scalable up to 10,500A / 504KW
- Rectifier bay houses up to 84 hot-pluggable rectifiers
- Graphical LCD
- Multi-Language PMU
- Advanced digital control and communication
- Configurable distribution options
- Ultra high-density rectifier design
- Ideal for central office applications

### Core Power Systems Specification

Model	NP7500
DC Power Plant Arrangement	AC, Master, Slave, Load & Battery Distribution Cabinet
Color	RAL 7035
Main Control Unit (MCU)	Graphical LCD / Multi-Language / Ethernet Access
Individual Rectifiers	NHR48S
	Efficiency >94%
	Max. Output Current 125 A
	Max. Output Power 6KW
	Power Factor >0.99/Full Load
	More Info Available in Page 35
Max. Number of Rectifiers	60*
Power Capacity Expansion	Available
Current Transducer for Input Current	Available
SPD	Available
Load Sharing	Available
DC Load & Battery Distribution	Optional
Cabling Mode	Top/Bottom
Dimensions (HxWxD) mm/Each Cabinet	2000x600x600

